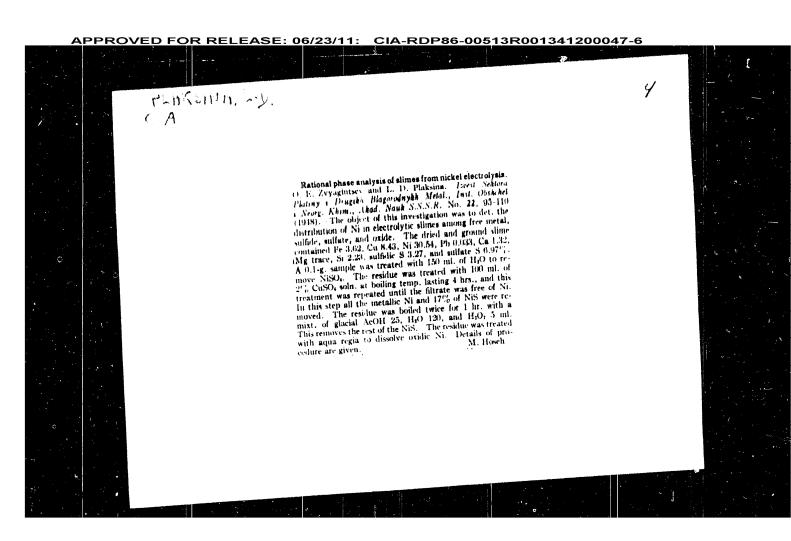
POL'KIN, S.I. (Moskva); PLAKSINA, L.D. (Moskva); CHANTURIYA, V.A. (Moskva) Effect of emulsifying and of oxygen on the properties of oleic acid as collector in the selective flotation of phyrochlore-zircon concentrates. Izv. AN SSSR. Met. i gor. delo no.5: 2176-158 S-0 163. (MIRA 16:11)

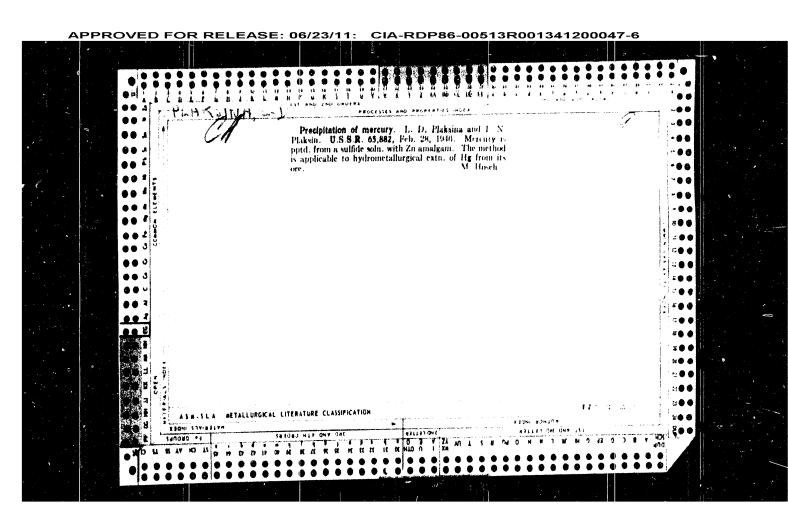
Chloridation of platinum metals with ammonium chloride

O. E. Ayagui Gev. and L. H. H. Mahana. Theref. Ashional

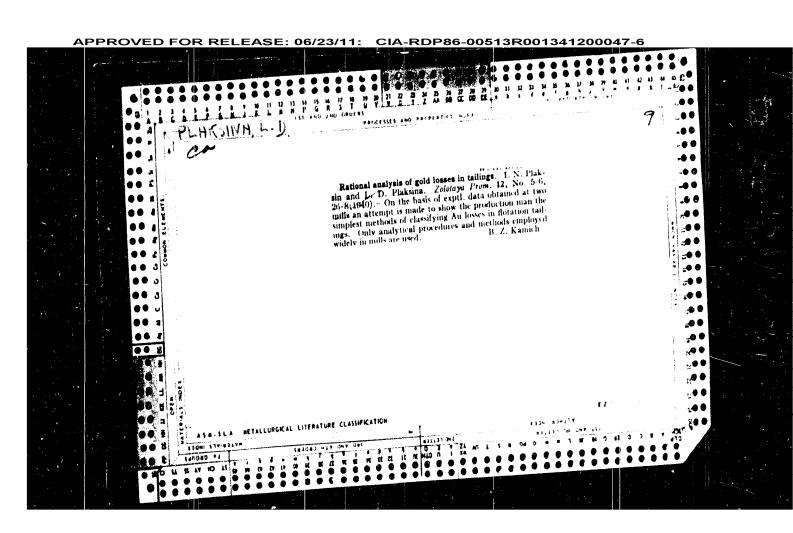
Ashion, J. Adv. A. Wash. N. W. W. M. A. Wash. S. M. M. Mahana. Mahana.

The receiver of the present with Miled 12 or 200 for the chloridated with Miled 12 or 200 for the





Precipitation of mercury from solutions of sulphides with analgunated size. In Phakum and L. D. Phakum (Compressed Academics) of the property of the property



Broadening of the Scattering Line and the Orientational Relaxation Time of Solutions

cases decrease of the relaxation time in solution may be due to the lack of such orientational order around the dissolved molecules as that which exists around each molecule of a pure substance. Departure from the orientational order in solution makes re-orientation of molecules easier than in pure substances. There are 3 tables and 2 Soviet references.

ASSOCIATION: Leningradskiy Gosudarstvennyy Universitet, Fizicheskiy Institut (Leningrad State University, Physics Institute)

SUBMITTED: June 7, 1957

Card 4/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200047-6

SOV/51-4-6-8/24

Broadening of the Scattering Line and the Orientational Relaxation Time of Solutions

Benzophenone and salol were investigated only in solution in carbon tetrachloride. The results shown in the tables indicate that both the methods used give practically identical results. In solutions, as well as in pure liquids, distribution of intensity in the relaxational wing fits well the formula of M.A. Leontovich with one relaxation time. The most remarkable result obtained in the work is the almost complete independence of the orientational relaxation time of solvent viscosity. This almost complete departure from the Debye's formula which gives the relationship between the orientational relaxation time of molecules and solvent viscosity may be explained as follows. Orientational relaxation of molecules is a rotational Brownian motion and, in contrast to the translational Brownian motion, it does not involve the forces between the solvent molecules and, therefore, does not depend much on solvent viscosity. The tables show that the relaxation times for all solutions, except the solutions of hydrogen disulphide in heptane are considerably smaller than the relaxation times of pure liquids. In the case of benzophenone and salol this may be explained simply by the difference between the viscosity of solutions and pure liquids. In the remaining

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SOV/51-4-6-8/24

SOV/51-4-6-8/24 Broadening of the Scattering Line and the Orientational Relaxation Time of Solutions

carbon tetrachloride, cyclohexane and heptane. Intensities of the anisotropic scattering of the liquids used as solvents are, compared with the anisotropic scattering of benzene, equal to 0.092, 0.046, 0.146, 0.060, 0.064 and 0.108 respectively. To ensure that scattering of light from the solute molecules is several times higher than the scattering from the solvent the following concentrations were used: hydrogen disulphide 10% by volume, chlorobenzene and bromobenzene 15%, benzophenone and salol 6%. Broadening of the scattering line in solutions was studied by two methods: the resonance filter method (Ref 1) and the spectroscopic method (Ref 2). Because of the small light power of the apparatus used by the authors. it was not possible to measure broadening of the scattering line of the solvents themselves. It was found in the majority of cases the relaxational wing in solutions is considerably wider than in pure liquids. The results of the experimental determination of the orientational relaxation time for molecules of hydrogen disulphide, chlorobenzene, bromobenzene, benzophenone and salcl in solutions are given in Tables 1-3 which also contain data for pure liquids.

Card 2/4

SOV/51-4-6-8/24

AU THORS:

Atakhodzhayev, A.k., Vuka, M.F. and Plaksina, K.V.

TITLE:

Broadening of the Scattering Line and the Orientational Relaxation

Time of Solutions (Ushireniye linii rasseyaniya i vremya

oriyentatsionnoy relaksatsii rastvorov)

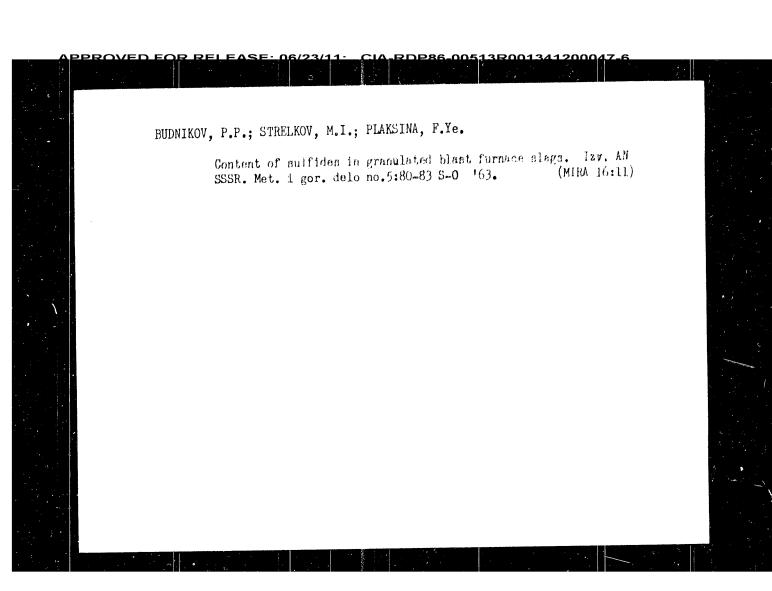
PERIODICAL:

Optika i Spektroskopiya, 1958, Vol IV. Nr 6, pp 763-766 (USSR)

ABSTRACT:

To find the relationship between the orientational relaxation time of molecules and viscosity of the medium it is usual to study solutions. Qualitative measurements, carried out in the authors laboratory many years ago, had shown that, in certain cases, transition from the pure liquid to a solution is accompanied by breadening of the scattering line which can be observed with the naked eye. The present paper reports a more detailed investigation of this phenomenon. Five liquids with intense anisotropic scattering were chosen for this investigation; they were: hydrogen disulphide, chlorobenzene, bromobenzene, benzophenone and salol. The first three liquids possess low viscosity and produce a wide relaxational wing on scattering of light, the last two liquids possess high viscosity and produce a very narrow relaxational wing. The following liquids with weak anisotropic scattering were used as solvents: ether, ethyl alcohol, acetone,

Card 1/4



VAL'BERG, G.S., kandidat tekhnicheskikh nauk; PLAKSINA, F.Ye., inzhener. Direct determination of carbon content in raw materials and slurry. TSsment 23 no.1:26-27 Ja-F '57. (MLRA 1 (MLRA 10:4) 1. Yuzhgiprotsement. (Carbon) (Cement (Coment industries)

PSHENICHNOV, A.V.; PSHENICHNOV, R.A.; PECHERKINA, S.A.; PLAKSINA, A.N. Cultivation of some pathogenic Rickettsia on noncellular polysynthetic nutrient media. Zhur. mikrobiol., epid. i immun. 41 no.3:3-7 Mr 164. 1. Permskiy institut vaktsin i syvorotok i Permskiy meditsinskiy institut.

L 07872-67 AP6030664 ACC NR moving loads and pulsating forces, calculation of rocket trajectories under power. Orig. art. has: 28 formulas. SUBM DATE: 25Sep65/ ORIG REF: 003/ OTH REF: 001 SUB CODE: 12/ Card

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200047-6

I. 07872-67 EWT(d) IJP(c)
ACC NR. AP6030664 SOURCE CODE: UR/0166/66/000/004/0026/0031

AUTHOR: Fayzibayev, E. F.; Plaksina, A. I.

ORG: Institute of Mathematics im. V. I. Romanovskiy, AN UZSSR (Institut matematiki AN UZSSR)

TITLE: Concerning certain properties of the solution of a nonlinear differential equation with slowly varying parameters

SOURCE: AN UZSSR. Izvestiya. Seriya fiziko-matematicheskih nauk, no. 4, 1966, 26-31

TOPIC TAGS: nonlinear differential equation, differential equation solution, asymptotic solution, vibration analysis

ABSTRACT: The authors analyze a vibrating system in which some parameters vary slowly with time and are described by the nonlinear differential equation

$$A(\tau)\ddot{x} + B(\tau)\dot{x} + C(\tau)x = \epsilon f(\tau, x, \dot{x}), \qquad (1)$$

where ϵ is a small positive parameter, $\tau=\epsilon t$ is the slow time, and A, B, and C are positive continuous functions of τ . A one-sided and a two-sided limits of the distances between two zeroes of the solution of this nonlinear differential equation are presented, and the solutions of two equations of this type are compared. The limits and comparisons are expressed in the form of appropriate theorems. The differential equations considered are encountered in problems involving the passage of a system through resonance, vibrations of bridges and lifting cranes under the influence of

Card 1/2

GOVORUKHIN, A.P.; SMELAYA, T.V.; PSHENICHNAYA, A.M.; ZAYTSEVA, M.B.

Prinimali uchastiye: KALASHNIKOV, N.V.; PLAKSINA A.I.;

DOLGOSHOV, V.M., starshiy nauchnyy sotrudnik. Fundhyagin,
I.I., otv.red.; MIRONENKO, Z.I., red.; VOLKOV, N.V., tekhn.red.

[Agroclimatic manual for Lipetsk Province] Agroklimaticheskii spravochnik po Lipetskoi oblasti. Leningrad, Gidrometeor.izd-vo. 1960. 94 p. (MIRA 14:1)

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(Lipetsk Province--Crops and climate)

GOVORUKHIN, A.P.; PSHENICHNATA, A.M.; SMELAYA, T.V.; ZAYTSEVA, M.B.;
Prinimeli uchastiye: KALASHNIKOV, N.V.; PLAKSINA, A.I.;
DOLGOSHOV, V.I., starshiy nauchnyy sotrudnik. PORTNYAGIN, I.I.,
otv.red.; ROGOVSKAYA, Ye.G., red.; BRATNIMA, M.I., tekhn.red.

[Agroclimatic reference book on Orel Province] Agroklimaticheskii
spravochnik po Orlovskoi oblasti. Leningrad, Gidrometeor.12d-vo,
1960, 91 p. (MIRA 13:11)

1. Kursk. Gidrometeorologicheskaya observatoriya. 2. Upravleniye
gidrometsluzhby tsentral'no-chernozemnykh oblastoy (for Govorukhin,
Pshenichmaya, Smelaya). 3. Institut geografii AN SSSR (for Dolgoshov).

(Orel Province—Crops and climate)

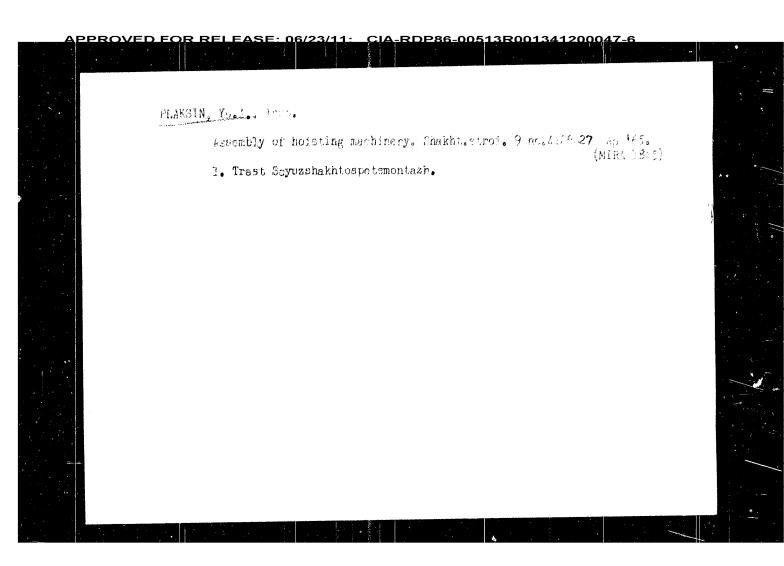
GOROKHOV, D.I.; GOVORUKHIN, A.P.; SMELATA, T.V.; PSHENICHNATA, A.M.;
ZATTERVA, M.B.; Prinimali uchastiye: KALASHNIKOV, M.V.;
PLAKSINA, A.I.. PORTHYAGIN, I.I., otv.red.; HOGOVSKATA, Te.G.,
red.; VOLKOV, N.V., tekhn.red.

[Agroclimatic reference book on Tambov Province] Agroklimaticheskii spravochnik po Tambovskoi oblasti. Leningrad, Gidrometeor.izd-vo, 1959. 123 p. (MIRA 13:2)

1. Kursk. Gidrometeorologicheskeya observatoriya. 2. Upravleniye gidrometaluzhy TSentral'no-Chernozemnykh oblastey (for Gorokhov, Govorukhin, Smelaya, Pshenichnaya, Zayteeva).

(Tambov Province—Crops and climate)

ISMAILOV, M.I., PLAKSINA, A.B., SATTAROV, A. Composition of a fossil tree from the Tashkent region. Zap. Uz. otd. Vses. min. ob-va no.16:88-95 164. (MIRA 18:6)



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SIDOROV, Fedor Filippovich; ALEKSEYEV, G.P., inzh., red.; EUSHUYEV, N.M., kend.tekhn.nauk, red.; GUTHAN, I.M., inzh., red.; KUZ'MOV, M.T., inzh., red.; IUHAT'YEV, M.G., agronom, red.; FICHAK, F.I., kend. tekhn.nauk, red.; FLAKSIN, V.N., inzh., red.; PCLKANOV, I.P., kend. tekhn.nauk, red.; HANCHENKOV, I.A., tekhn.red.

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PICHAK, Fedor Ivanovich, kand, tekhn.nauk; ALEKSEYEV, G.P., inzh., red.;
KUZ'MOV, H.T., inzh., red.; PYATETSKIY, B.G., inzh., red.;
PLAKSIN, V.H., inzh., red.; SOROLEV, L.A., inzh., red.;
IGHAT'IEV, M.G., agronom, red.; MARCHENKOV, I.A., tekhn.red.

[Checking parts in repairing tractors and agricultural machinery]
Kontrol' detalei pri remonte trektorov i mel'akokhozialstvenykh
mashin, Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,
1960. 89 p.

(Tractors--Maintenence and repair)

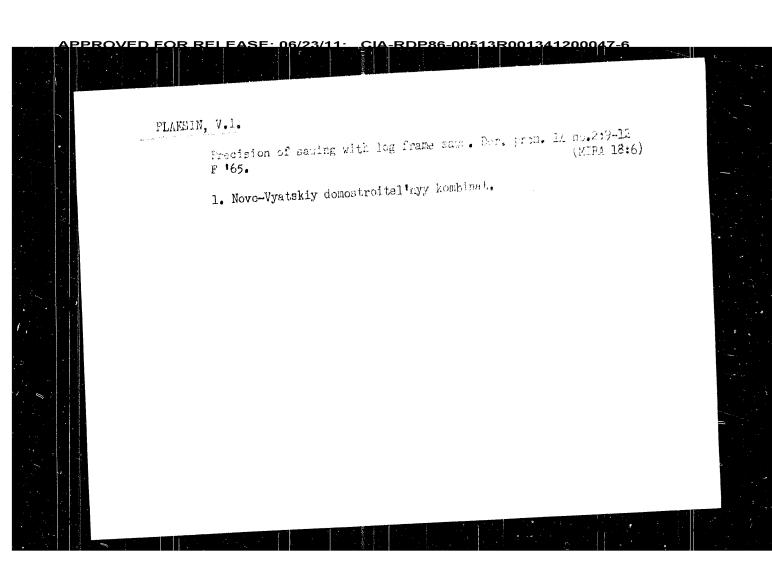
(Agricultural machinery--Maintenence and repair)

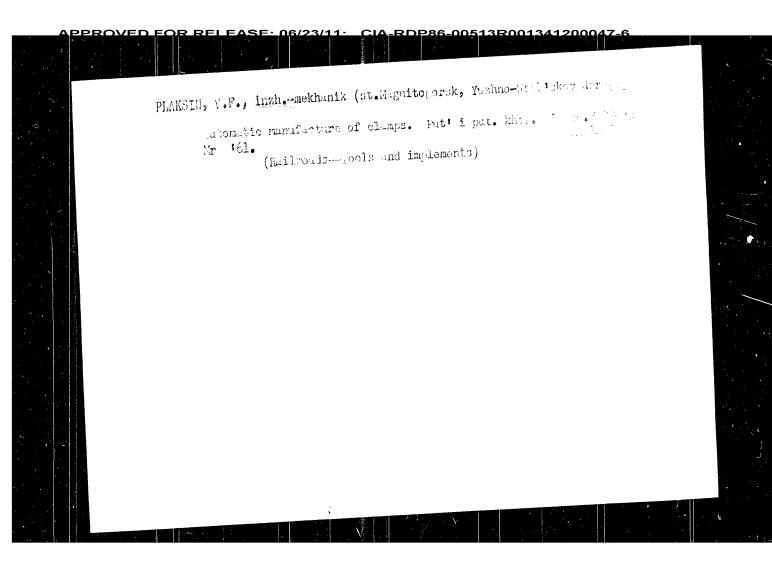
PLAESIN, Yakov Grigor'yevich; FLEKKEL' Arkadiy Il'ich; HIETTHEO,
Vasiliy Rodiomovich; MO. HOV. Origoriy Porfir'yevich;
QTODA, Ivan Ivanovich; MC. HOV., Origoriy Porfir'yevich;
QTOCA, Ivan Ivanovich; Mc. Hov., P., kand, tekhn, nauk, dots.,
Polyal D. TIOCA, V.I., dots., retasument; FITHOLAHID, S..., reteascast; SLAVIN, D.S., otv. red.; GHEMIECOVA, E.N., red. izd-va;
MAKSHOVA; V.V., tekhn. red.
[Principles of building and mining-enquincering structures]
Onnovy stroitel'nego dela i gornoinahenernye soo.ushenila.
Onnovy stroitel'nego dela i gornoinahenernye soo.ushenila.
Gosgortekhizdat, 1963. A63 p.
(MIRA 16:12)
(Building) (Mine buildinge)

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 Hoisting weckingry.

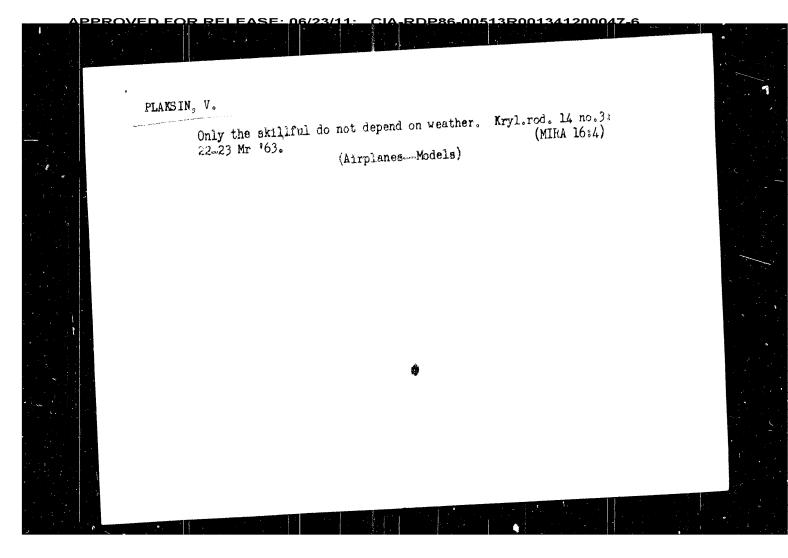
PLAKSIN, V.S.; TSARENKO, A.P., redaktor; KHITROV, P.A., tekhnicheskiy redaktor [Hoisting trains in cases of derailment] Podmemka podvizhnogo sostava pri skhode s rel'sov. Moskva, Gos. transp. zhel-dor. izd-vo 1954.

(MIRA 8:4) (Railroads -- Accidents) (Hoisting machinery) 217 p.





PIARSINNA NOGALLER, A.M.; PLAKSIN, V.A.; TSESEL®SKIY, D.S.; LIBIN, A.L.; MEZENIN, N.N.; CHIGRINTSEVA, M.F.; DEM YANOVSKAYA, Z.N. Using low-calory diets in the compound treatment of hypertension at the Kislovodsk health resort. Vop.pit. 16 no.1:76-78 Ja-F \$57. (MLRA 10:3) l. Iz Bal'neologicheskogo instituta na Kavkazskikh mineral'nykh vodakh i sanatoriyev imeni Lenina, imeni X let Oktyabrya, "Skala", "Gornyak" No.3 i No.19 Kislovodskogo kurorta. (KISLOVODSK--DIET IN DISEASE) (HYPERTENSION) (DIET IN DISEASE)



KUMARIN, A., starshiy prepodavatel'; PLAKSIN, V.; LEVIN, S.; LIVANOV, V. New forms of the organization of technical control. Sots. trud (MIRA 15:9) 7 no.9:79-85 S 162. 1. Kuybyshevskiy planovoy institut (for Kumarin). 2. Nachal'nik otdela tekhnicheskogo kontrolya Chetvertogo ordena Lenina podshipnikovogo zavoda (for Plaksin). 3. Nachal'nik otdela tekhnicheskogo kontrolya Kuybyshevskogo zavoda avtotraktornogo elektrooborudovaniya i karbyuratorov (for Levin). 4. Nachal'nik otdela tekhnicheskogo kontrolya Devyatogo podshipnikovogo zavoda im. V.V.Kuybysheva (for Livanov). (Kuybyshev Province--Machinery industry--Quality control)

PLAKSIN, S.V.

Development of Ferrous Metallurgy of the European Countries of the People's Democracies in the System of the International Socialist Division of Labor.

The following dissertations were defended in the Institute of the Economics of the World Socialist System, Candidate of Economic Sciences.

Vestnik Akad Nauk, No. h, 1963, pp. 119-145

s/193/60/000/004/006/006 A004/A001

Development Prospects of the Czechoslovakian Ferrous Metallurgy

Combine in Košica which will be the most important steel making plant of the country with a total capacity equal to the three biggest metallurgical plants of present day Czechoslovakia. Compared with 1960, the productivity of the metallurgical industry by 1965 is to be increased by 41.3% while the product cost lurgical industry by 1965. There are 2 tables and 12 non-Soviet references.

Card 6/6

S/193/60/000/004/006/006 A004/A001

Development Prospects of the Czechoslovakian Ferrous Metallurgy

Table 2:

1) type of mill; 2) rolling speed, m/sec; 3) attained in the CSR at present; 4) for newly planned Czechoslovakian mills; 5) world average; 6) blooming mill; 7) largesection mill; 8) medium-section mill; 9); small-section mill; 10) continuous strip

small-section mill; 10) continuous strip mills; 11) continuous wire mills; 12) continuous hot-rolling wide strip mills; 13) continuous cold-rolling wide strip mill.

Capital investment in the Czechoslovakian ferrous industry under the third Five-Year Plan (1961 - 1965) will exceed that of the last decade (1949-1958) by 19%. A considerable part of these investments will be made at the new huge East Slovakian Metallurgical Card 5/6

1)	D Hacrornice Spens 1	тированики В ЧСР станов С	B Mupe B cpetalen
В Баюминги П/Крупносортные В/Среднесортные О/Непрерывные полосовые П/Непрерывные проволочные	4.7 7.2 5.3 9.4 8.0 7—9		6,8 3-6 4,7 9,0 12-25 21-33

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200047-6

S/193/60/000/004/006/006 A004/A001

Development Prospects of the Czechcslovakian Ferrous Metallurgy

be produced by 1965, 30.5% of which being sheets. The steel tube production is to be increased to 882,000 tons in 1965, 27% being welded pipes. 180,000 tons of to be increased to 873,000 tons of drawn wire are planned for 1965. 64 new cold rolled strip and 433,000 tons of drawn wire are planned for 1965. economical rolled sections will be developed from 1961 - 1965. Table 2 shows the comparative figure of the rolling speeds attained in the CSR at present, being planned for new mills and the world average figures.

Card 4/6

5/193/60/000/004/006/006 A004/A001

Development Prospects of the Czechoslovakian Ferrous Metallurgy

4.58 tens in 1953 to 5.5 tens in 1958, and in big open-hearth furnaces to 6.377 tons. In 1958 on 42% of the open-hearth furnaces the heat control was fully automated, while more than 26% of all open-hearth steel was smelted with the aid of oxygen. The annual pig iron output per worker in the blast-furnace shops increased from 790 tons in 1955 to 918 tons in 1957, while the corresponding figures for steel production were from 620 tons in 1955 to 746 tons in 1958. The author then turns to the development plans of the Czechoslovakian ferrous metallurgy under the 1961 - 1965 Five-Year Flan and states that by 1965 the iron ore output is to be increased to 4.3 million tons. The coke production in 1965 is going to be 11,270,000 tons, while it is planned to produce in 1965 7.65 mill.tons pig iron. In the same year the utilization factor of the useful blast-furnace volume is to be improved to 0.760 m³/ton pig iron per 24 hours, while the coke consumption per ten of pig iron for steel making is going to amount to 717 kg. The steel production will be 10.5 million tons annually by 1965, so that the per capita production / rate will increase to 751 kg. In 1965 it is planned to produce 2 mill. tons of high-quality steels. At present 45% of the steel being produced is of the killed type, while 55% is rimmed steel. Under the third Five-Year Plan 75% of the steel produced will be of the semi-killed type. 7.3 million tons of rolled steel are to Card 3/6

S/193/60/000/004/006/006 A004/A001

Development Prospects of the Czechoslovakian Ferrous Metallurgy

new blast furnaces with an aggregate capacity of 1,515,000 tons annually, eleven open-hearth furnaces with a total capacity of 1,038,000 tons and eight electric furnaces were put into service. Table 1 shows comparative figures of the volume

of blast furnaces.

7 Объем доменных печей, ж ³	1937 г.	1948 r.	1957 г.
До 200	45 35 20 —	5,1 35,5 35,5 23,9 —	6.49 21.10 36.16 21.10 —
2) Итого	100,0	100,6	100,0

Table 1: 1) blast furnace volume, m³; 2) total.

In 1958 more than 29% of pig iron was produced in blast furnaces of more than 300,000 tons annual capacity, while the steel production in large open-hearth shops of more than 400,000 tons capacity per year exceeded 69.7%. The utilization factor of the useful blast-furnace volume improved on the average from 1.417 m²/ton per 24 hours in 1953 to 1.063 m²/ton in 1958, while the steel output per sq. meter of hearth area of openhearth furnaces increased on the average from

Card 2/6

s/193/60/000/004/006/006 A004/A001

AUTHOR:

Plaksin, S.V.

TITLE:

Development Prospects of the Czechoslovakian Ferrous Metallurgy

PERIODICAL:

Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 4, pp.

75 - 78

In his detailed survey on the Czechoslovakian ferrous metallurgy the author points out that the country takes up the fifth rank in the world as to per capita production of steel. Czechoslovakia has large deposits of coking coal, the greater part of which are situated in the Ostravo-Karvinsk Coal Fields. In 1958 the country produced 7,370,000 tons of coke, 80% of which was metallurgical coke. On the other hand, the demand of the Czechoslovakian metallurgy for iron ore can only be covered by 36% with domestic ores, the rest has to be imported. In 1958 the Czechoslovakian industry produced 3,774,000 tons pig iron, 5,510,000 tons steel and 3,759,000 tons rolled material (without tubes), i.e. an increase of 125, 140 and 139% respectively compared to 1937. 90% of the pig iron was marked for steel making and 10% for foundry and blast-furnace ferro-alloys. In 1957, 82.5% of the steel produced in Czechoslovakia was smelted in open-hearth furnaces, 4.7% was Thomas steel and 12.8% electric steel. During 1949-1957 six

card 1/6

PLAKS IN, S.V. Production of ball iron from lean ores in Czechoslovakia. Biul. tekh .ekon.inform. no.10:71-72 160. (MIRA 13:10) (Czechoslovakia--Iron--Metallurgy)

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PLAKSIN, S.V.; POFOV, N.N.; PEKSHEV, Yu.A.; KAKSHINOV, L.N.;
YAKIMOVA, T.A.; SHALASHOV, V.P.; VASYAHIN, Yu.L.; EAGS EV, L.V.;
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(Communist countries--Statistics)

OLEYNIK, I.P., kand. ekon. nauk, nauchn. sotr.; VOINOV, A.M., nauchn. sotr.; SEMENOV, I.I., nauchn. sotr.; PLAKSIN, S.V., nauchn. sotr.; KACHALOV, I.P., nauchn. sotr.; SEMENOVA, L.S., nauchn. sotr.; STOROZHEV, I.V., nauchn. sotr.; GERTSOVICH, G.B., nauchn. sotr.; SERGEYEV, V.P., nauchn. sotr.; ALIKHODZHICH, A., nauchn. sotr.; LISOV, V.Ye., red.; NIKOLAYEV, D.N., red.; PONOMAREVA, A.A., tekhn. red.

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1. Akademiya nauk SSSR. Institut ekonomiki mirovoy sotsialisticheskoy sistemy. 2. Institut ekonomiki mirovoy sotsialisticheskoy sistemy AN SSSR (for all except Lisov, Nikolayev, Ponomareva). (Communist countries—Division of labor)

PEKSHEV, Yu.A.; LENSKIY, B.V.; AVSENOV, Yu.M.; MII, ONOV, V.S.; KISVYANTSEV, L.A.; TELEGIN, Ya.I.; POTAPOV, V.I.; NETRUSOV, A.A.; ZYKOV, A.A.; KUDIN, B.M.; MAKSI-MOVA, A.P.; NIKOLAYENKO, Zh.I.; VOLKOV, N.V.; SHVETSOV, N.I.; PLAKSIN,

S.V.; PCPCV, N.N.; KARSHINOV, L.N.; YAKIMOVA, T.A; SHALASHOV, V.P.; VISYANIN, Yu.L.; KRASNOV, L.V.; PUSENKOV, N.N.; IVANOV, N.I., red.; ZOLOTAREV, V.I., red.; SLADKOVSKIY, M.I., red.; LEPNIKOVA, Ye., red.;

KOROLEVA, A., mladshiy red.; NCGINA, N., tekhn. red.

[Economic development of the people's democracies; survey for 1959] Razvitie ekonomiki stran narodnoi demokratii; obzor za 1959 god. Pod red. N.I.Ivanova i dr. Moskva, Izd-vo sotsial'no-ekon. lit-ry, 1960. 305 p. (MIRA 14:6)

1. Moscow. Nauchno-issledovatel'skiy kon"yukturnyy institut. (Europe, Eastern-Economic conditions)

ZOLOTAREV, V.I.; PEKSHEV, Yu.A.; AVSENEV, Yu.M.; KAPRANOV, I.A.; KISVYANTSEV,
L.A.; SHVETSOV, N.I.; TELEGIN, Ya.I.; POTAPOV, V.I.; KISVYANTSEV,
L.A.; ZYKOV, A.A.; NETRUSOV, A.A.; SENIN, V.P.; MAESIMCTA, A.P.;
NIKOLAYENKO, Zh.I.; VOLKOV, N.V.; KALASHNIKOV, A.A.; PLAKSIN, S.V.;
POPOV, N.N.; KARSHINOV, L.N.; YAKIMOVA, T.A.; BASHKANIKHIN, I.K.;
KEFKOVICH, A.Ya.; SHALASHOV, V.P.; VORONKOV, F.N.; VEKSHIN, G.K.;
CHISTYAKOV, M.A.; IVANOV, N.I., red.; SLADKOVSKIY, M.I., red.;
LEPNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development of the people's democracies] Razvitie ekonomiki stran marodnoi demokratii; obzor za 1957 g. Pod red. N.I.
Ivanova i dr. Moskva, Izd-vo sots.-ekon.lit-ry, 1958. 610 p.
(MIRA 12:7)
1. Moscow. Nauchno-issledovatel'skiy kon yunkturnyy institut.
(Economic conditions)

EOLOTAREV, V.I.; PEKSHEV, Yu.A.; LENSKIY, B.V.; AVSENEV, Yu.M.;

KISYYANTSEV, L.A.; SHVETSOV, N.I.; TELEGIN, Ye.I.; ZYKOV, A.A.;

SENIH, V.P.; NETRUSOV, A.A.; GAVRILOV, V.V.; NIKOLAYENKO, Zc.I.;

VOLKOV, N.V.; KALASHNIKOV, A.A.; PLAKSIN, S.V.; POPOV, N.N.;

KARSHINOV, L.N.; YAKIMOVA, T.A.; SHALASHOV, V.P.; KOSONOGOV, L.A.;

PUSENKOV, N.N.; SLADKOVSKIY, M.I., red.; IVANOV, N.I., red.;

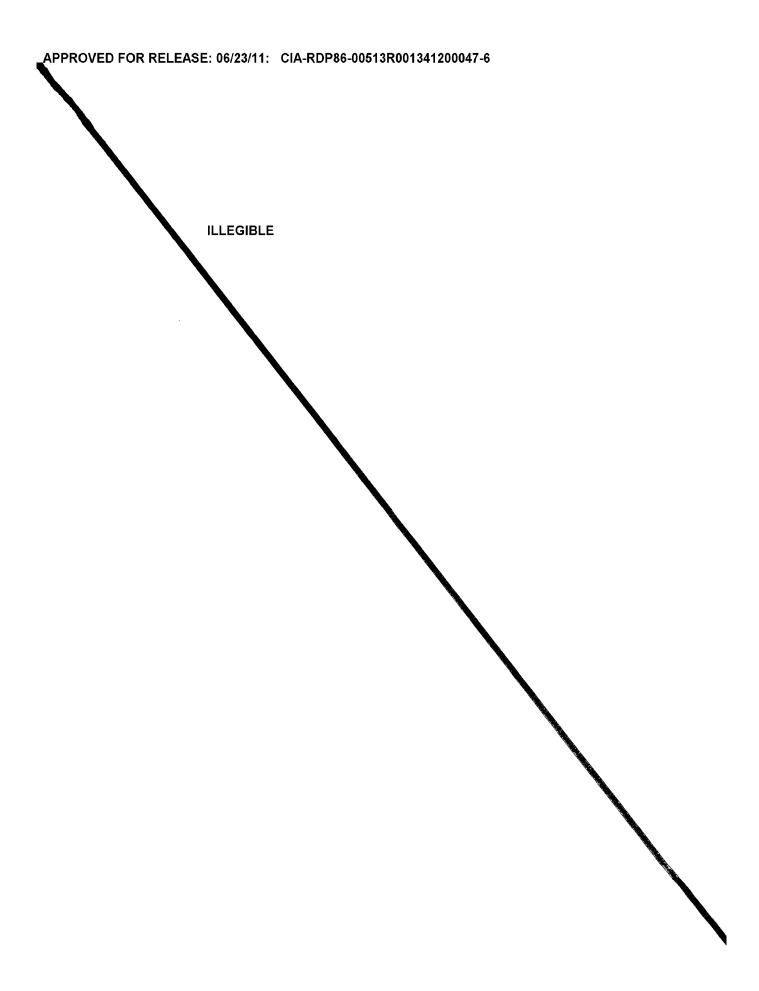
LEPNIKOVA, Ye., red.; MOSKVINA, R., tekhn.red.

[Economic development in the people's democracies; review for 1958] Razvitle ekonomiki stran narodnoi demokratii; obzor za 1958 g. Pod red. M.I.Sladkovskogo i dr. Moskva, Izd-vo sotsial'-no-ekon.lit-ry, 1959. 358 p. (MIRA 13:7)

1. Moscow. Nauchno-issledovatel'skiy kon"yunkturnyy institut. (Communist countries--Economic conditions)

PIAKSIN, S.V. Production and use of metallurgical coke in Poland and Czechoslovakia. Biul.tekh.-ekon.inform. no.2:80-82 '60. (MIRA 13:6) (Poland-Coke industry)
(Czechoslovakia-Coke industry)

PLAKSIN, S.V. Thin-walled blast furnaces in Czechoslovakia. Biul.tekh.-eksh. inform. no.5:82-83 159. (MIRA 12:8) (Czechoslovakia-Blast furnaces)



PLAKSIN, S.A. Use of direct dyes for the continuous dyeing of dark colored fabrics. Nauch.-isol.trudy lyNITI 26:137-144 163. (M1HA 18:4)

PLAKSIN, S.A., starshiy nauchnyy sotrudnik; SHCHEGOLEVA, R.M., starshiy nauchnyy sotrudnik Method of fabric dyeing with indigosols and vatsols in light and medium dark shades. Tekst.prom. 23 no.5:68-70 My 163. 1. Ivanovskiy nauchno-issledovatel skiy tekstil nyy institut (IvNITI). (Dyes and dyeing) (Textile fabrics)

BUNIN, O.A.; MCSKVICHEV, N.T.; PLAKSIN, S.A.; Prinimali uchastiye: GORSHKOV, P.V.; SMIRNOV, V.M.; PAVLOV, V.P.; ISAYEV, A.P.; LAVROV, G.V. Operation conditions of the dye aging and reducing apparatus. Tekst.prom. 22 no.10:64-67 0 '62. (MIRA 15:11) 1. Ivanovskiy nauchno-issledovatel'skiy tekstil'nyy institut. (Dyes and dyeing-Apparatus)

PLAKEIN, S.A., starshiy nauchnyy sotrudnik Development rate of insoluble azo dyes on fabrics. Tekst.gron. 22 no.1:57-59 Ja 162. 1. Ivanovskiy nauchno-issledovatel'skiy institut khlopchatobumazhr.jy promyshlennosti (IvNITI).

(Dyes and dyeing--Cotton) PLAKSIN, S.A.; GOTOVTSEVA, L.A. Methods of preparation and beiling of back cloth. Tekst.prom. 20 no.4:47-51 Ap '60. (MIRA 13:8) (Printing machinery and supplies) (Textile fabrics)

PLAKSIN, S.A.; GOTOVTSEVA, L.A.; ZERNOVA, K.N.; RYZHAKOVA, T.S.

Peroxide bleaching of back grey. Tekst.prom. 20 mo.2:
45-48 F '60.

(Textile printing--Equipment and supplies)

(Bleaching) (Textile fabrics)

PLAKSIN, S.A. Dyeing of cotton in a steam vat. Nauch.-issl.trudy IvNITI 23:168-172 (MIRA 14:4) (Dyes and dyeing--Cotton)

PLAKSIN, S.A.; GRIBUNINA, N.A. Processing fabrics after coupling with azo dyes. Tekst.prom. 18 no.5:42-44 My '58. (MIRA 11:5)

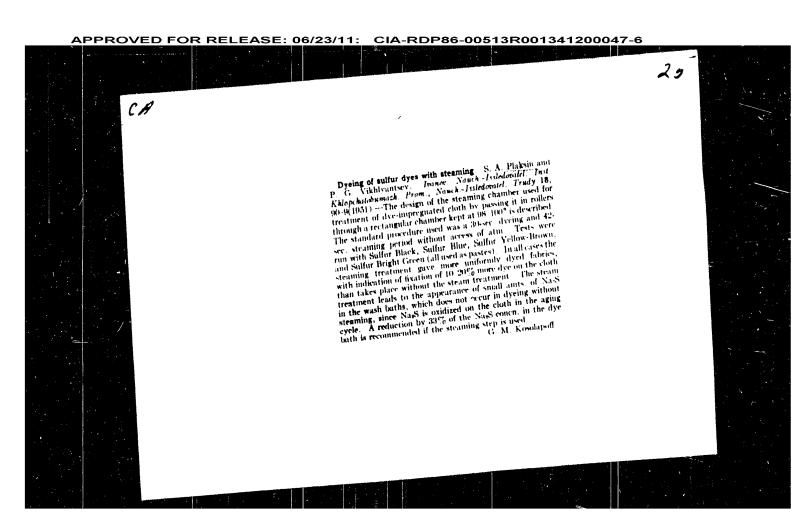
(Dyes and dyeing--Cotton) (Azo dyes) PLAKSIN, S.A., nauchnyy sotrudnik; PLATONOV, M.F., nauchnyy sotrudnik; SMIRNOV, V.I., nauchnyy sotrudnik; KUMOSHENSKIY, M.D., nauchnyy sotrudnik.

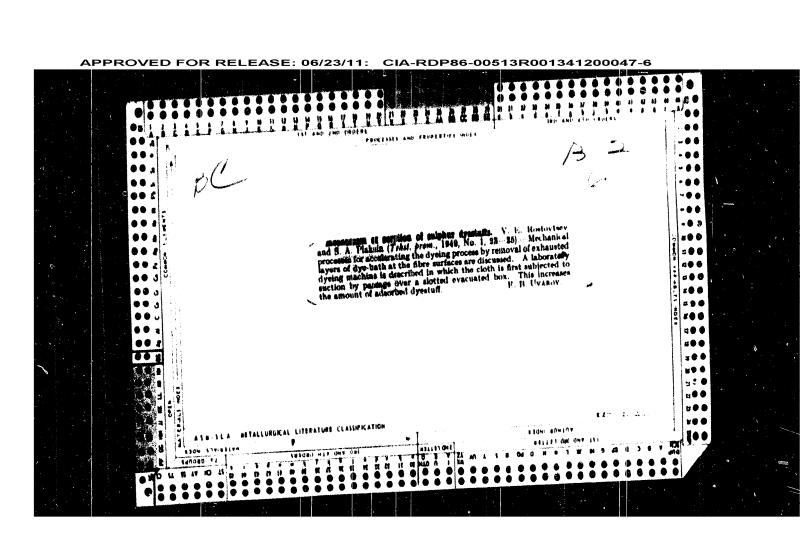
Increasing the size of bales of unbleached fabric. Tekst.prom.
17 no.10:59-60 0 '57. (MIRA 10:12)

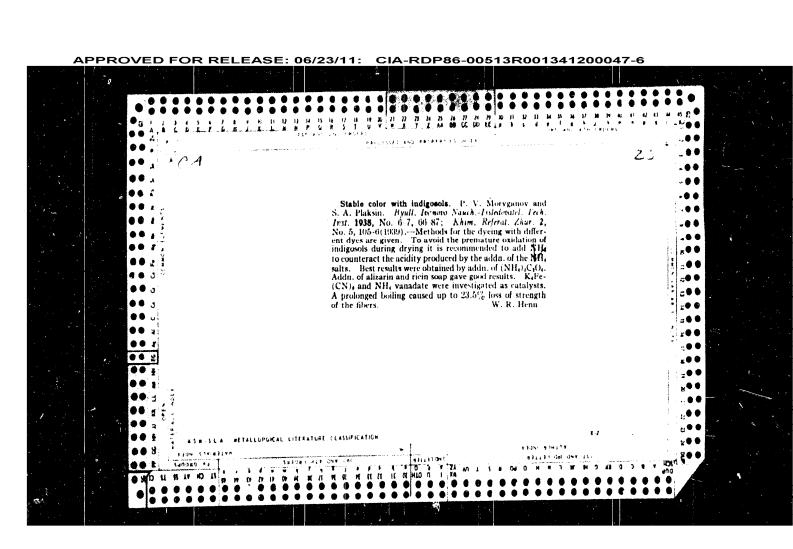
1.Ivanovskiy nauchno-issledovatel'skiy tekstil'nyy institut.

(Cotton fabrics)

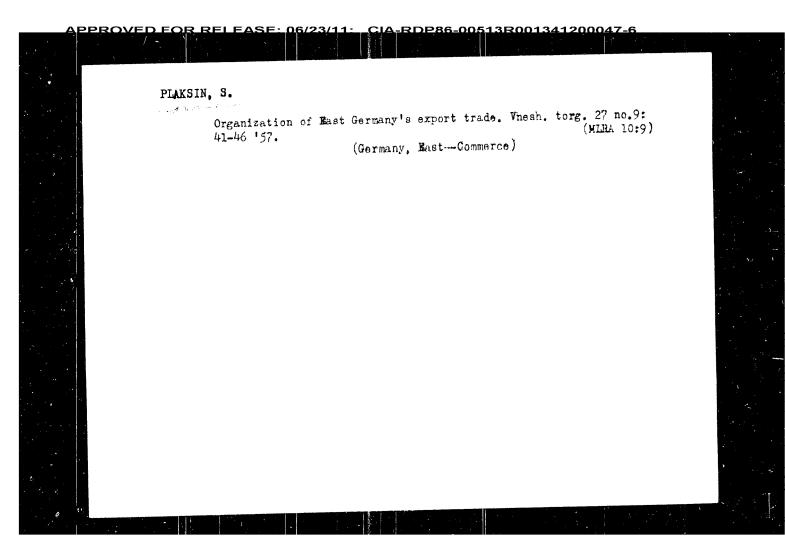
Plakain, S. A., Bakarovn, A. S. Textile Finishing Washing out printed cloth. Tekst.prom. No. 5, 1952. Monthly List of Russian Accessions, Library of Congress, August 19582 Unclassified.

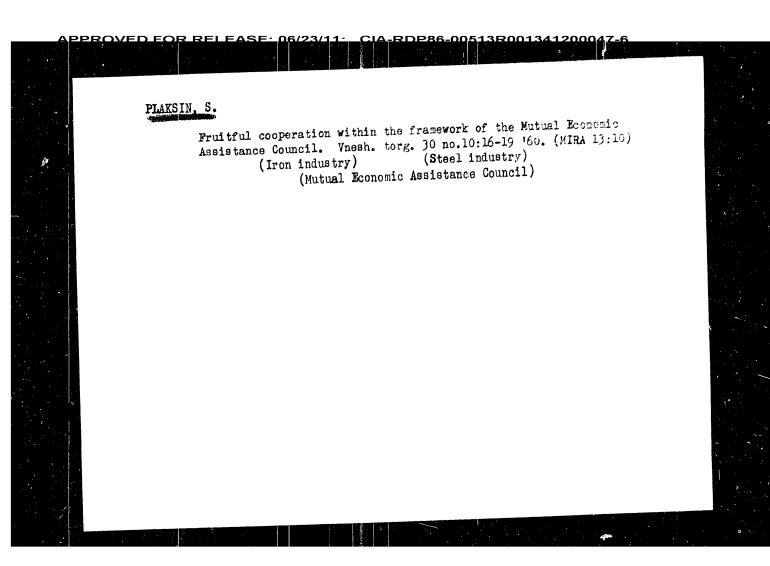






PLAKSIN, S. Technical servicing of exported machinery and equipment [with English summary in supplement]. Vnesh. torg. 29 no.4:23-27 159. (MIRA 12:6) (Germany, East--Export sales) (Machinery-Maintenance and repair)





Experience Gained with ...

5/196/61/000/001/005/006 E073/E535

excessively high. It is essential to improve the quality of erection work of control panels and also of the command-controller KA-5031. The latter has an excessively heavy handle, very poor fixing in individual positions and unsatisfactory fastening of the lid. It is desirable to produce cast bodies for the command-The contacts must be more carefully set. It is necessary to produce track and end switches with segmental circuit-breaking and improve the design of the lids. The breaking coils, types KMN (KMP) and KMT (KMT), frequently fail due to poor quality winding, breaking off of leads and unsatisfactory assembly of the steel of the magnetic cores. Automatic machines of series A-2000 and A-3100 do not operate selectively, The quality of the main contact springs is low. Cases were observed of burning out of the plastics. The good quality and some defects of new types of tropicalized equipment are pointed out.

[Note; The above text is a full translation of the original

Card 2/2

S/196/61/000/001/005/006 e073/E535

Plaksin, P. F.

Experience Gained with Control Apparatus at the AUTHOR TITLE

"Azovstal " Works

PERIODICAL: Referativnyy zhurnal. Elektrotekhnika i energetika. 1961, No.1,pp.56-57, Abstract No.11404 Sbornik Sostoyaniye i perspektivy razvitiya konstruktsiy nizkovol'tn. apparatov, M.-L., Gosenergoizdat, 1959,

Satisfactory operation of apparatus depends on the correct selection of the current rating in the design, on the design features and on correct installation, setting and operation. To TEXT: save costs, project organizations frequently specify the use of apparatus with reduced operating parameters, which leads to unstable operation of electric circuits and to premature wear of the apparatus. Design inadequacies of contactors KN-500 (KP-500) and KTN-500 (KTP-500) are: inadmissible clearances in the prisms, inadequate strength of the cores and supporting arms and of other plastic components as well as of springs. The quality of coils is low and the wear of rubbing surfaces is card 1/2

HAKUH, F.A. Por emporator recor. Nation of a so in Nobel S 164. (MISS 17:11) 1. Direkter Price-kinskare (**) mensykhesa (rokhadnenskejo proiz-vodstvennege opravesniya, Kasemila siketear koy kiril.

PLAKSIN, N.N. Method for eleimination of the sticking of needles in a pulverizer. Elek.i tepl.tiaga 4 no.2:18 F '60. (MIRA 13:6) 1. Master depo Zasulauks, Latviyskaya doroga.
(Diesel engines--Maintenance and repair)

PLAKSIN, N.N., master Using "vixtory"-type filters on the MG1 diesel locomotive. Mlek. i tepl. tiaga 2 no.11:31 N '58. (M) (MIRA 11:12) 1.Depo Zasulauks, Latviyskaya doroga.
(Oil filters) (Diesel locomotives)

PLAKSIN, N.N., master po remontu teplovozov We need a clear instruction book on the MGI diesel locomotive.

Elek. i tepl. tiaga 2 no.8:45 Ag 158. (MIRA (MIRA 11:9) 1.Depo Zasulauk, Latviyakaya doroga.
(Diesel locomotives -- Maintenance and repair)

PLANSIE, N. K. 14 1790 USSR/Chemical Technology 1 May 1947 Mineral Extraction "On the Influence of the Granulometric Characteristic and Films on the Extraction and Separation of Sulphide Minerals in Froth Flotation," N N Plaksin, G N Khazhinskaya, 4 pp "Dok Akad Nauk USSR Nov Ser" Vol LVI, No 4 1790

PLAKSIN, M. V. "Investigation of Splitting Short Mooden Sections." Thesis for segmes of Service Technical Sci. Sub 30 Jun 50, Nescou Perestry Englishering Inst. Summary 71, 4 Sep 52, <u>Dissertations Presented</u> for <u>Degrees in Science and Angineering</u> in <u>Moscow in 1950</u>. From <u>Vechernyaya Moskva</u>. Jan-Dec 1950. PLAKSIN, M.V.; BOYKO, A.P., otv.red.; BLIKH, V.V., red.; SARANYUK, T.V., tekhred. [Fundamentals of the efficient organization of lumbering] Osnovy ratsional'nogo postroeniia proizvodstvennogo protsessa lesorazrabotok. Izd-vo L'vovskogo univ., 1958, 124 p. (MIRA 12:1) (Lumbering)

SHOKHMAN, Ya.D., kand, mad. mank (Prokoplyounk, Keneristakey ritacti.
Vakzallacya nl., d. 28, 2022, no belok, l. 1., ened live most by sestudate Introise of the herd in children due to percueater car expressions. Crtope, trayr, i protoze 25 poetiesa e; a tede $\{\mathbf{N}^{(r+1)}_{1} \rightarrow \mu_{r+1} \in \mathbb{N} \mid 1 \leq r \leq r \}$ 1. To detaine, a topeda more do est legista estable per dome. Ya.D. Objected in February School in The Control of the Artistic School in The Control of the Artistic School in The Control of the Artistic School in The Control of 13640

L 24208-66

ACC NR: AP6015176

Section 2 "mathematical description" of axis II in accord with the intersection of axis I is interpreted in the following manner: 02 - mathematical models and description of separation process; 12 - calculation of schemes and equipment; 22 - mathematical description of grinding and crushing; 32 - granulometric characteristics and graphic descriptions; 42 - kinetics and efficiency of gravitational process; 52 - (see above); 62 - kinetics, mathematical models of combined processes, etc.

III. Scale of research. () -- general; 1 -- theoretical; 2 -- economics; 3 - designing; 4 -- laboratory; 5 -- semi-industrial; 6 -- industrial. IV. Valuable component of mineral is denoted by the symbol of the corresponding chemical element or the first letter of mineral's name (U Cyrillic) -- coal, a Cyrillic -- diamond, Cu -- copper, etc.

Thus, any question can be coded with four symbols, and the article or book by several combinations of such symbols. For example, the article "Laboratory Research of Reagents for Flotation of Copper and Iron Ores" will be coded in

A system of coordinates for any narrower circle of questions can be coded or

compiled according to this same principle.

For example, in the Laboratory of Automation of Giredmet, together with the Council on Cybernetics of the Academy of Sciences USSR under the leadership of V. V. Nalimov, a card index on punch cards is being created for the application of mathematical methods of research. [JPRS]

SUB CODE: 05, 08 / SUBM DATE: none / ORIG REF: 005

BLQ Card 4/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200047-6

1, 24208-66 ACC NR: AP6015176

> questions with the greatest accuracy. For concentration of ores the following four axes can be broken down. I. The process of concentrating. 0 -- general questions; 1 -- description of enterprises; 2 -- crushing, grinding; 3 -classification according to coarseness and shape; 4 -- gravitation (tabling, jigging, etc.); 5 -- flotation; 6 -- flotation-gravitation and combined methods; 7 -magnetic, electrical, radiometric, concentrating according to color and brilliance; 8 -- hydrometallurgy; 9 -- thermal processes, roasting, drying, agglomerating, briquetting, coking. II. 0 - general questions; 1 -- theory; 2 -- mathematical description; 3 -- equipment; 4 -- auxiliary processes; 5 -- auxiliary equipment; 6 -- inspection and testing; 7 -- automation; 8 -- economics; 9 -- comparison of different ores. Here the first axis characterizes the technical process; the second -- the basic trends of research of each process. For example, according to axis I, section 5 ("flotation") can be interpreted in accord with the list of axis II in the following manner: 50 - monographs of a general character, teaching manuals, conferences, historical surveys; 51 - theory, elementary act; theory of surface phenomena; 52 -- kinetics, criteria of effectiveness, mathematical models; 53 - flotation machinery; 54 - absorption, contacting, acid and base processing of pulps, mon-formation of tailings; 55 - reagents, reagent suppliers, contact vats; 56 -- flotation machinery control pH sensors, reagent concentration sensors, reserve of metals, testing; 57 - automation of flotation, factory control; 58 - economic problems of flotation, complexity of flotation processes; 59 - flotation methods and a comparison of them.

Card 3/4

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200047-6

L 24208-66-

ACC NR: AP6015176

1. Prerequisites: a) material (description of ore, minerals, reagents);

b) literature sources.

2. Method of investigation: a) scale (laboratory, semi-industrial, theoretical); b) description of apparatus, operating conditions, or citation to the corresponding report. For new methods the probable experimental error should be indicated; c) the method of treating the results, use of special criteria and graphics.

3. The obtained experimental data.

4. Discussion of the results and the conclusions.

5. Bibliography.

As practice has indicated, in a work compiled according to such a scheme, the number of repetitions, general phrases, well known conditions and other information of little value is kept to a minimum.

For technical problems and particularly for the concentration of ore, the most suitable searching system is the superpositional coordinate system of indexing. Each axis of the coordinate system includes a set of questions which cover all their varieties according to some kind of single principle. Any report can be characterized accurately, which is found on the intersection of the corresponding coordinates and which characterize the classification of a given report from the viewpoint of each of the principles. Layout of the axes should be done in such a manner that for a mass of questions dealing with the effort of a single laboratory a minimum number of headings would permit finding of the information on these

Card 2/4

24208-66 EWP(m)/EWP(t) JD/JXT(BF) ACC NR. AP6015176 SOURCE CODE: UR/0032/65/031/010/1235/1237 AUTHOR: Plaksin, I. N.; Barskiy, L. A. ORG: Institute of Mining im. A. A. Skochinskiy (Institut gornogo dela) Experiment in generalizing and coding information on ore concentration SOURCE: Zavodskaya laboratoriya, v. 31, no. 10, 1965, 1235-1237 TOPIC TAGS: information storage and retrieval, computer coding, metal, mineral, ore ABSTRACT: At the present time about 2,500 articles, books, and patents are published yearly in the whole world on problems of ore dressing. The existing universal decimal classification on the concentration of ores is composed in a general form and contains a number of specific inaccuracies which complicate its application in searching for information on specific problems. In the process of work, certain methods were used by the authors which facilitated searches for information on concentration of ores and also proposals were formulated relative to the compilation of articles and abstracts, which increase the effectiveness of their use. An article or abstract should be composed according to a general scheme. For example, for an article on the technique of ore concentrating the following plan can be recommended: UDC: 519.24

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200047-6

ACC NR: AP6019534

1. 17. 67.61

which then precipates. The zirconium oxide is recovered from the precipitate by treatment with concentrated H₂SO₄ at pH=2-3. The optimum quantity of sodium fluoride and found to be equal to 250-300 grams per ton of mixed one. By this procedure, one of tains a titanium concentrate containing 84.9% TiO₂ and a zirconium concentrate containing 62.0% ZrO₂. It is suggested that the method can be employed generally in the segmentation of nonsulfide type ones. The IR spectra of the oldic acid on mineral surfaces before and after treatment with sodium fluoride are given. Orig. art. has: 2 figures, 1 formula.

SUB CODE: 07,11/

SUBM DATE: 09Nov65/

ORIG REF: 003/

OTH FEF: 001

Card 2/2

ACC NR: AP6019534

SOURCE CODE: UR/0020/66/168/004/0864/0866

AUTHOR: Plaksin, I. N. (Corresponding member AN SSSE); Shafeyev, P. Sh.; Chanturiya, V. A.

ORG: Mining Institute im. A. A. Skochinskiy (Institut gornogo dela)

TITLE: Nature of interaction between sodium fluoride and oleic acid during floatation separation of titanium and zirconium ores

SOURCE: AN SSSR. Doklady, v. 168, no. 4, 1966, 864-866

 $\cdot (A)$

TOPIC TAGS: IR spectrum, sodium compound, titanium oxide, zirconium compound, floatation, oleic acid

ABSTRACT: A method of separating zirconium and titanium ores by means of selective precipitation of zirconium oxide from the mixed ores during floatation is described. The method is based on the selective reaction of sodium fluoride with oleic soid absorbed on zirconium oxide resulting in the formation of an organic polyfluoride

Card 1/2

UDC: 547.397

ACC NR: AP7010715 following order as to their effect on extraction equilibrium and their ability to form hydrogen bonds: heptyl alcohol, decyl alcohol, isoamyl acetate, metaxylene, dichlorodiethyl ether, carbon tetrachloride, kerosene. Orig. art. has: 3 figures, 11 formulas and 1 table. JPRS: 40,361 Card 2/2

ACC NR: AP7010715

SOURCE CODE: UR/0020/66/171/006/1348/1351

AUTHOR: Plaksin, I. N. (Corresponding Member AN SSSR); Strizhko, V. S.; Fedotov, Yu. S.

ORG: none

TITLE: Effect of diluents on the extraction of rare-earth elements by carboxylic acids

SOURCE: AN SSSR. Doklady, v. 171, no. 6, 1966, 1343-1351

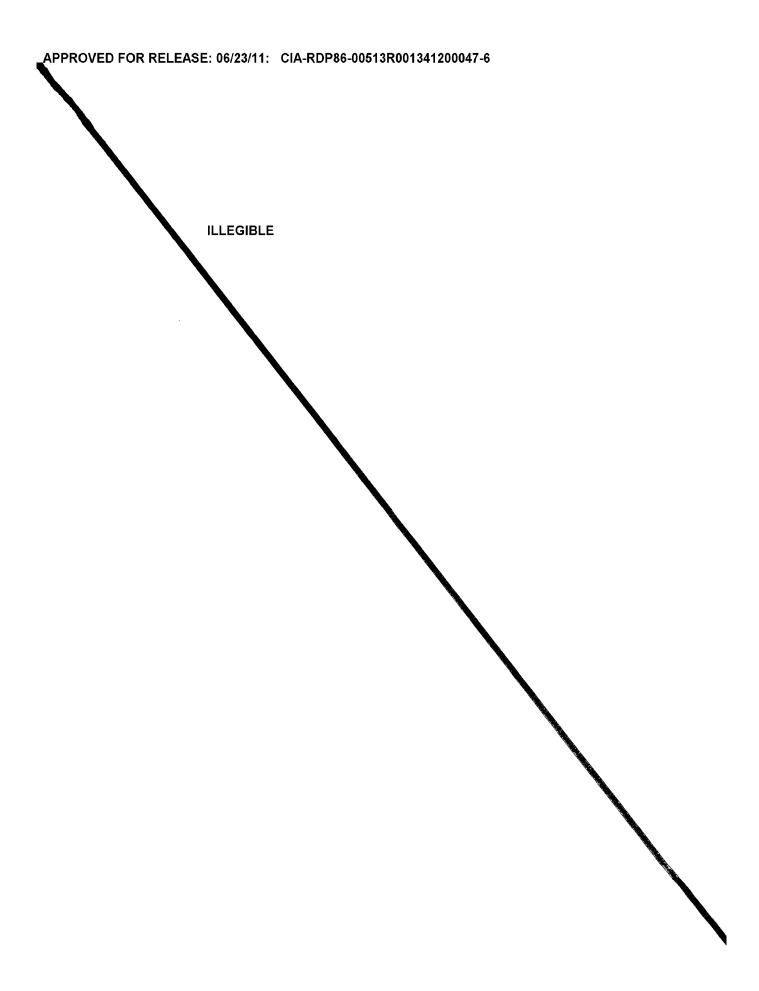
TOPIC TAGS: lanthanum, praseodymium, neodymium, gadolinium, carboxylic acid, aliphatic alcohol

SUB CODE: 11, 07

ABSTRACT: The authors studied some peculiarities in the reaction of diluents with aliphatic synthetic acids of the C7 - C9 fraction in the extraction of lanthanum, prascodymium, neodymium and gadolinium. The role of the diluents depends essentially on the proton affinity, as well as the ability to form addition compounds with the acid molecules through hydrogen bonds of varying strength and polarity. Carboxylic acids and alcohols posses donor-acceptor properties with respect to hydrogen. Extraction is considerably less affected by diluents which are only proton acceptors in an acid-base reaction. Nonpolar diluents have the least effect. The diluents studied are listed in the UDC: 542.61

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200047-6

PEARIN, INC. SHIVEIN, G.N. Regularities of the extractive distribution of cyamic mobile metal complexes. Tzv.vys.ucheb.zav.; tsvet.met. 8 no.2 50.57 165. (2186-1991) l. Kafedra metallurgii tyazhelykh tavetnykh i blagorodnykh metallov Krasnoyarskogo instituta tsvetnykh metallov. Dubmitted October 9, 1963.



5/020/63/148/003/037/037 B117/B186 Mechanism of the effect of ... October 11, 1962 SUBMITTED: Card 3/3

PPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200047-6

Mechanism of the effect of ...

s/020/63/148/003/037/037 в117/в186

reduced by acrated emulsion. This is attributed to the different interaction between peroxide group and titanium—and zirconium ions respectively. The ilmenite surface becomes hydrophobic through the complex compound $\begin{bmatrix} \text{TiO}_2(\text{H}_2\text{O}_2) \end{bmatrix}^{2+} \text{ which develops from the reaction of titanium with the} \\ \text{Peroxide group. The zirconium surface, however, gets hydrophilic through the strongly hydrated compound <math>\text{Zr}_2\text{O}_5 \cdot \text{4H}_2\text{O}$ formed by the reaction of zirconium with the peroxide group. It was found that during selective zirconium with the peroxide group. It was found that during selective flotation of titanium-zirconium sand sodium fluoro-silicate can be used as effective regulator forming soluble complex titanium compounds with $(\text{TiF}_6)^{2-}$ and an insoluble hydrophilic zirconium fluoride complex. The silicate group of the Zr gets hydrophilic through the silicate group of Na_2SiF_6 . To avoid unpleasant side reactions, it was recommended to introduce Na_2SiF_6 only after the aerated oleic acid emulsion. There are

3 figures.
ASSOCIATION:

Institut gornogo dela im. A. A. Skochinskogo (Mining Insti-

tute imeni A. A. Skochinskiy)

S/020/63/148/003/037/037 E B117/B186

AUTHORS:

Plaksin, I. N., Corresponding Member AS USSR, Dorokhina,

S. N.

TTLE:

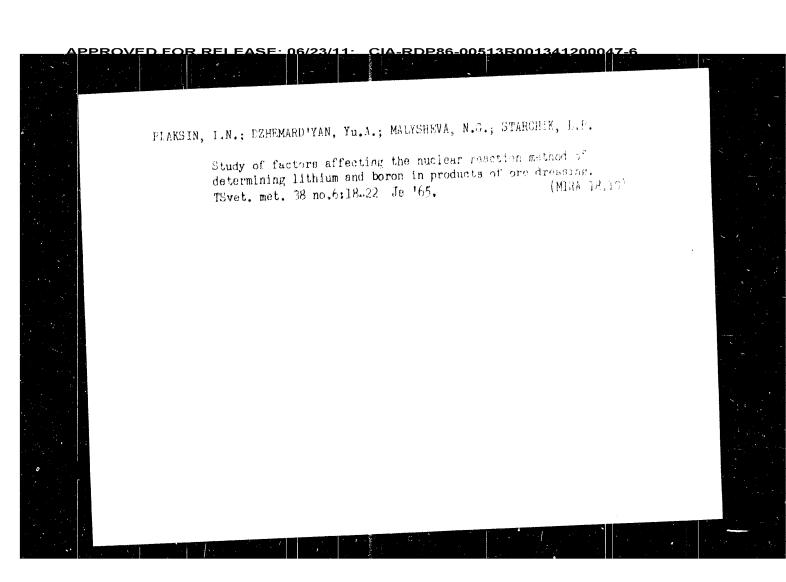
Mechanism of the effect of oleic acid oxidized with molecular oxygen during selective flotation of titanium-

zirconium sands

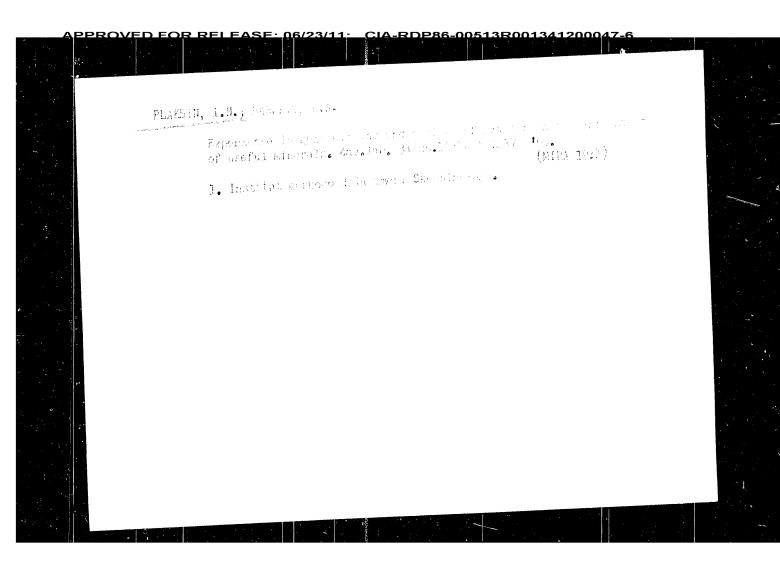
PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 148, no. 3, 1963, 651-653

TEXT: The effect of the autoxidation on the properties of oleic acid as flotation agent for the selective flotation of titanium-zirconium sands of different compositions was investigated. The effect of the oxidized oleic acid on the flotation of ilmenite was shown to become stronger, as its content of titanium (catalyst of the autoxidation) and of the less bivalent iron is increased. The selectivity of the flotation agent is bivalent iron is increased. The selectivity of the flotation with oxygen. In the strongly changed by treating the oleic acid emulsion with oxygen. In the strongly changed by treating the oleic acid emulsion with oxygen an oxidized that the extraction of ilmenite is increased by 38% when using an oxidized oleic acid emulsion, while the zirconium extraction is simultaneously Card 1/3



PLAKOR, 1.D.; MIKITIF, P.V. Calculation of the activity of gamma-em there for 1-100 absorption analysis. Zav. lab. 31 no. 12:1461-1465 [94] 1. TSentral nyy nauchno-isaledovatel skiy institut olevyczneg promyshlennosti.



PLAKSIN, 1.N.; NIKITIN, F.V., inzh. Design of gamma emitters for X-ray radiometric analysis.

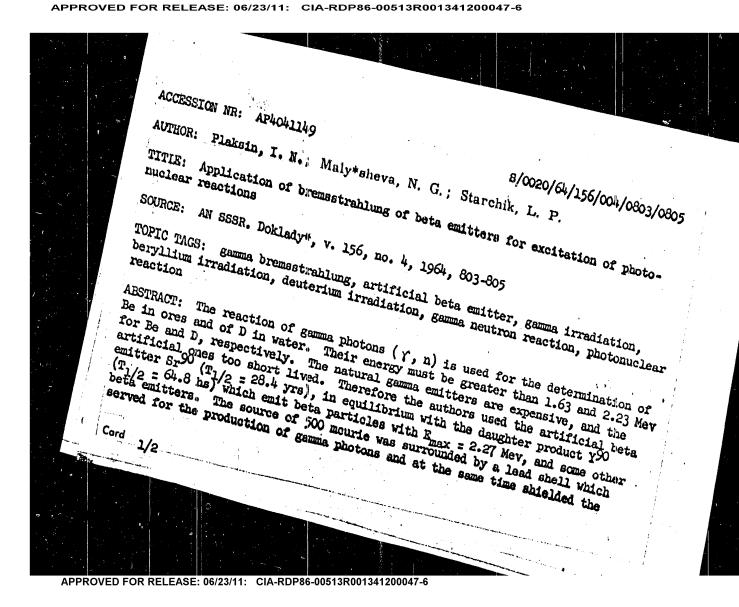
12v.vys.ucheb.2ev.; gor.zhur. 8 no.11.162-166 165. (MIRA 19.1) 1. TSentral'nyy nauchno-issledovatel'skiy institut olova. Rekomendovana seminarom otdela obogasheheniya poleznykh iakopayemykh Instituta gornogo dela imeni Skochinskogo. Submitted October 26, 1964.

PLAKETH, I.M.; YELLCEMEY, N.I.; NACHENYAK, F.I. wole of bivalent cations in the flotation of quarter. (20.7 and probl. razrab. pol. iskop. no.5:139-143 165. t. institut gornogo dela imeni Skochinskog, Societa.

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acid solution of thiocarbamide permitted the removal of the CN-ion from the resin with the subsequent regeneration of cyanide and simultaneously desorbed the noble metals, copper and, in part, iron. For full removal of iron, the resin must be periodically treated by strong solutions of sodium cyanide. A method of treating was suggested for the gold containing ore tailings by sorbtion leaching in the presence of the strong base anionite, with subsequence elution of sorbed elements and the separation of noble metals by cupellation or electrolysis. Orig. art. has: 3 figures and 3 tables.

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AUTHOR: Plaksin, I.N.; Tetaru, S.A.

TITLE: Sorbtion leaching of gold containing ores

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TOPIC TAGS: gold, gold containing ore, sorbtion leaching, ion exchange resin, flotation, cynation, elution,

ABSTRACT: The authors investigated the flotation tailings of quartz gold containing ore subjected to sorbtion leaching under laboratory conditions. Cynation characteristics were studied and presented in a table along with sorbtion cynation of the istics were studied and presented in a table along with sorbtion cynation of the istics. A method for the elution of resin and the regeneration of cyanide was tailings. A method for the elution beaching of flotation tailings of gold congiven. It was found that the sorbtion leaching of flotation tailings of gold containing ore could successfully improve the gold yield by 2.5% in comparison with taining ore could successfully improve the gold yield by 2.5% in comparison with ordinary cynation. This can be obtained by sorbtion of the dissolved gold by ionite, ordinary cynation. This can be obtained by sorbtion of the dissolved gold by ionite, as well as by maintaining the high activity of the cyanide solution as a consequence as well as by maintaining the high activity of the cyanide solution as a consequence of the sorbtion of the impurities by the ion exchange resin. The free cyanide was of the sorbtion of the impurities by the ion exchange resin by hydrochloric partially absorbed by the ionite. The elution of saturated resin by hydrochloric

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